

Base Year Modification Request Certification

Part 1: Generation Study - No Extrapolation Diversion Data

To request a substitution for a previously approved base year used in calculating the diversion rate report year generation study for your jurisdiction, please complete and sign this form and return it to your Office of Local Assistance (OLA) representative at the address below, along with any additional information requested by OLA staff. When all documentation has been received, your OLA representative will work with you to prepare for your appearance before the Board. If you have any questions about this process, please call (916) 341-6199 to be connected to your OLA representative.

Mail completed documents to:

**California Integrated Waste Management Board
Office of Local Assistance
1001 I Street, (MS-25)
PO Box 4025
Sacramento, CA 95812-4025**

General Instructions:

Please select the **ONE** choice below that best explains your request to the Board.

- ☐ 1. Use a recent generation-based study to calculate our current reporting year generation amount, but not officially change our existing Board-approved base year.
- ☒ 2. Use a recent generation-based study to officially change our existing Board-approved base year to a new base year.

The shaded cells on these sheets are protected. If you have problems using these sheets, please contact your Office of Local Assistance representative by calling (916) 341-6199.

Section I: Jurisdiction Information and Certification

All respondents must complete this section.

I certify under penalty of perjury that the information in this document is true and correct to the best of my knowledge, and that I am authorized to make this certification on behalf of:

| | | | |
|--|------|-----------------------------|----------|
| Jurisdiction Name | | County | |
| City of Fairfield | | Solano | |
| Authorized Signature | | Title | |
| Type/Print Name of Person Signing | Date | Phone () Include Area Code | |
| | | | |
| Person Completing This Form (please print or type) | | Title | |
| | | | |
| Affiliation: | | | |
| Mailing Address | City | State | ZIP Code |
| | | | |
| E-Mail Address | | | |

| Section II: Information for New Generation-Based Study for Existing or New Base Year | |
|---|---|
| Attach additional sheets if necessary—reference each response to the appropriate cell number (e.g., "4"). | |
| Note: New base years must be representative of a jurisdiction's disposal and diversion. | |
| 1. Current Board-approved existing base year: | 2. Proposed new generation-based study year: |
| 1990 | 2003 |
| 3. Explain how the proposed generation study year is representative of average annual jurisdiction disposal and diversion: | |
| Our current base year is still 1990, our original base year and we recognize that this can not possibly correctly reflect a true marker by which our diversion should be measured. In addition, the City of Fairfield has experienced robust growth residentially, commercially, and industrially since 1990. We intend to demonstrate in our request the true tonnage and diversion. | |

| | | | |
|---|--|---|--|
| 4. Enter diversion rate information below. | | | |
| Diversion rate calculated using existing base year | a. 38 % | Diversion rate calculated using new generation-based study | b. 65% |
| For existing base year pounds/person/day based on generation | 8.5 lbs | For new generation based study pounds/person/day based on generation | 16.50 |
| Existing base year: | | New generation based study: | |
| Residential generation 25 % | Non-Residential generation 75 % | Residential generation 13 % | Non-Residential generation 87 % |
| Population existing generation-based study 78,650 | | Population new generation-based study 102,500 | |
| 5. Please explain how the new diversion rate is consistent with your current diversion implementation efforts and also explain the specific reasons for the difference. | | | |
| The City of Fairfield believes that the original generation study could not accurately estimate or calculate independent recycling. This is demonstrated in Fairfield's case as we are home to one of the Anhauser Busch brewerys. A. Busch, alone, generates as much waste as all of Fairfield combined. Fortunately, they recycle, compost, or reuse 96% of that waste. And the only part of that material that is reported is what goes to the hauler which is roughly 200 tons, out of a possible 106,812 possible tons. The current study more accurately represents what is happening in Fairfield. | | | |
| 6. If the proposed new generation tonnage results in an increase in your pounds per day, please explain how this is consistent with your current diversion implementation efforts and provide examples (e.g., change in jurisdiction's demographics). In addition, If your pounds per person is over the state average of 11.2 pounds, please explain why. | | | |
| The pounds of waste generated by per person per day are higher than the average due to the higher non-residential percentage and because the calculation is based on residential population. Just one business, the brewery, puts the pounds per person per day higher by 5.7 pounds. | | | |

| Section III - Disposal and Diversion Information | | |
|--|-------------------------------------|---|
| 1. Disposal Tonnage (enter values): | 76198 <small>Residential</small> | 30812 <small>Non-Residential</small> |
| | | 107010 Total |
| Please select the ONE choice below that best explains your disposal data and complete the required tables. <input checked="" type="checkbox"/> a. All tons claimed are from the Board's Disposal Reporting System (No explanation required. Go to Number 2.) <input type="checkbox"/> b. All tons claimed are from a 100 percent audit of hauler and self-haul tonnage. (Please complete Reporting Year Tonnage Request and Modification Certification sheet found at www.ciwmb.ca.gov/LGCentral/Forms/rytnmdrq.doc and submit with the new base year study.) <input type="checkbox"/> c. Some Disposal Reporting System data were corrected. (Please complete Reporting Year Tonnage Modification Request and Certification sheet found at www.ciwmb.ca.gov/LGCentral/Forms/rytnmdrq.doc and submit with the new base year study.) | | |

2. In the table below, list the summarized diversion activities, and diversion data records that support your claim and are available for Board audit. **Note: The Board expects the jurisdictions to be able to provide all back-up documentation, if requested.** Include type of record and location—for example, weight tickets from transfer stations. This section should capture all diversion tonnage (form will perform all addition and percentage calculations). If any diversion is from restricted wastes, agricultural wastes, inert solids [e.g., concrete, asphalt, dirt, white goods, and scrap metal,] you must identify those programs and waste types and complete Section VI. Survey forms for the top ten businesses must be included as an attachment with the generation study year and should be identified as Attachment 4a.

(Note: The Board has indicated that total source reduction amounts greater than five percent will be scrutinized. Please be prepared to substantiate the amounts.)

Note: Detailed Non-Residential waste audit information for the top ten businesses surveyed must be included in Section IV.

Please use the Board's program types from the online glossary at:

<http://www.ciwmb.ca.gov/LGCentral/PARIS/Codes/Reduce.htm>

| Diversion Activity | Actual tons | Percent of Total Generation | Specific Material Type(s) (List program w/multiple materials in one box) | Indicate whether Actual Tons or Specific Conversion Factor and Source of Factor | Type of Record (include copy with submittal) |
|--|-------------|-----------------------------|--|---|--|
| Please use the Board's program types. The program type glossary is online at: www.ciwmb.ca.gov/LGCentral/PARIS/Codes/Reduce.htm | (A) | (A/Total Generation) | | | |
| Residential Source Reduction Activities | | | | | |
| Backyard composting | | | | | |
| Grasscycling | | | | | |
| Other Residential Source Reduction (list each program separately) | | | | | |
| Enter program name | | | | | |
| Enter program name | | | | | |
| Enter program name | | | | | |
| Enter program name | | | | | |
| Enter program name | | | | | |
| Subtotal, Residential Source Reduction | 0 | 0% | | | |
| Residential Recycling Activities | | | | | |
| Curbside Recycling | 1051 | 0% | Paper materials, Glass materials, Plastic materials, aluminum materials | Actual Weights | Based on DOC report |
| Buyback Centers | 2171 | 1% | Glass, plastic, aluminum | Actual Weights | Based on DOC report |
| Drop-off Centers | 53 | 0% | Glass, plastic, aluminum, wood, metal, cardboard | Actual Weights | Based on DOC report |

| Diversion Activity | Actual tons | Percent of Total Generation | Specific Material Type(s) (List program w/multiple materials in one box) | Indicate whether Actual Tons or Specific Conversion Factor and Source of Factor | Type of Record (include copy with submittal) |
|--|---------------|-----------------------------|--|---|---|
| Please use the Board's program types. The program type glossary is online at: www.ciwmb.ca.gov/LGCentral/Paris/Codes/Reduce.htm | (A) | (A/Total Generation) | | | |
| Other Residential Recycling (list each program separately) | | | | | |
| Curbside Non-CRV | 7553 | 2% | Bi-metal containers, cardboard, chip board, paper | Actual Weight | Total curbside tons (8604) reported on hauler annual report minus DOC annual report tonnage (1051). Removed due to double counting. |
| Enter program name | | | | | |
| Enter program name | | | | | |
| Enter program name | | | | | |
| Enter program name | | | | | |
| Subtotal, Residential Recycling | 10828 | 4% | | | |
| Residential Composting Activities | | | | | |
| Green Waste Drop-off | | | | | |
| Curbside Green Waste | 12116 | 4% | Green waste & food waste | Actual Weight | Per hauler annual report |
| Christmas Tree Program | | | | | |
| Other Residential Composting (list each program separately) | | | | | |
| Enter program name | | | | | |
| Enter program name | | | | | |
| Enter program name | | | | | |
| Enter program name | | | | | |
| Enter program name | | | | | |
| Subtotal, Residential Composting | 12116 | 4% | | | |
| Subtotal, Residential Diversion | 22944 | 7% | | | |
| Non-Residential Source Reduction Activities: | | | | | |
| Non-Residential Waste Audits | 107479 | 35% | Detailed information must be included in Section V | Detailed information must be included in Section V | Detailed information must be included in Section V |
| Other Non-Residential Source Reduction (list each program separately) | | | | | |
| City Parks and Buildings Grasscycling | 1900 | 1% | Grass | 250 Total Mowable Acres x 7.6 tons | City Public Works |
| Commercial & Ind. Green Waste | 5832 | 2% | Green waste | Actual Weight | Based on annual hauler report |
| Subtotal, Non-Residential Source Reduction | 115211 | 37% | | | |

| Diversion Activity | Actual tons | Percent of Total Generation | Specific Material Type(s) (List program w/multiple materials in one box) | Indicate whether Actual Tons or Specific Conversion Factor and Source of Factor | Type of Record (include copy with submittal) |
|--|-------------|-----------------------------|--|---|--|
| Please use the Board's program types. The program type glossary is online at: www.ciwm.ca.gov/LGCentral/Paris/Codes/Reduce.htm | (A) | (A/Total Generation) | | | |
| Non-Residential Recycling Activities: | | | | | |
| Non-Residential Waste Audits | 49127 | 16% | Detailed information must be included in Section V | Detailed information must be included in Section V | Detailed information must be included in Section V |
| Other Non-Residential Recycling (list each program separately) | | | | | |
| Enter program name | | | | | |
| Enter program name | | | | | |
| Enter program name | | | | | |
| Enter program name | | | | | |
| Subtotal Non-Residential Recycling | 49127 | 16% | | | |
| Non-Residential Composting Activities | | | | | |
| Non-Residential Waste Audits | 325 | 0% | Detailed information must be included in Section V | Detailed information must be included in Section V | Detailed information must be included in Section V |
| Other Non-Residential Composting (list each program separately) | | | | | |
| Enter program name | | | | | |
| Enter program name | | | | | |
| Enter program name | | | | | |
| Enter program name | | | | | |
| Enter program name | | | | | |
| Subtotal Non-Residential Composting | 325 | 0% | | | |
| Subtotal Non-Residential Diversion | 164664 | 53% | | | |
| Other Waste Material Activities | | | | | |
| Residential | | | | | |
| ADC | 14020 | 5% | Green material, sludge and C & D | Actual Weight | Jurisdictional Disposal by Facility Report |
| Sludge (must submit sludge cert form) | | | | | |
| Scrap Metal | | | | | |
| Construction and Demolition | | | | | |
| Landfill Salvage | | | | | |
| Other (e.g., ag waste) | | | | | |
| Subtotal Residential Waste | 14020 | 5% | | | |
| Non-Residential | | | | | |
| ADC | 0 | 0% | | | |
| Sludge (must submit sludge cert form) | | | | | |
| Scrap Metal | | | | | |
| Construction and Demolition | | | | | |
| Landfill Salvage | | | | | |
| Other (e.g., ag waste) | | | | | |
| Subtotal Non-Residential Waste | 0 | 0% | | | |

| Diversion Activity | Actual tons | Percent of Total Generation | Specific Material Type(s) (List program w/multiple materials in one box) | Indicate whether Actual Tons or Specific Conversion Factor and Source of Factor | Type of Record (include copy with submittal) | | | | |
|--|---------------|-----------------------------|--|---|--|--|--|--|--|
| Please use the Board's program types. The program type glossary is online at: www.ciwmb.ca.gov/LGCentral/Paris/Codes/Reduce.htm | (A) | (A/Total Generation) | | | | | | | |
| Subtotal Residential/ | 14020 | 5% | | | | | | | |
| Total Residential/Non-Residential | 115211 | 37% | | | | | | | |
| Total Diversion Tons | 201628 | 65% | | | | | | | |
| Total Disposal Tons from Number 1 | 107010 | 35% | | | | | | | |
| Total Generation Tons (Div+Dis) | 308638 | | | | | | | | |
| | | | | | | | | | |
| NEW GENERATION STUDY DIVERSION RATE | 65% | | | | | | | | |
| | | | | | | | | | |
| Additional Information for Report Year Calculations - Biomass and Transformation Activities (Note: you cannot claim both biomass and transformation.) | | | | | | | | | |
| Biomass (must submit biomass cert form and must be 10% or less-- use the calculator to calculate) | | | | | | | | | |
| Transformation | | | | | | | | | |
| Report Year Diversion Rate with Biomass or Transformation Credit | | | | | | | | | |

Section IV - Specific Non-Residential Sector Waste Audits

1. Top 10 Non-Residential Generators

Please complete this table for the top ten non-residential businesses that were surveyed. **Use the business type in lieu of the specific business name.** (e.g., grocery store vs. Safeway) List each non-residential business separately from largest to smallest, based on total diversion tons. Audit reference number should be the same number used to identify businesses on the survey/audit sheets, and must correlate to the Section V spreadsheet.

| Type of Non-Residential Generator | Audit Reference Number | Specific/Major Diversion Activities Include Material Type (e.g., paper recycling, grasscycling). (List activities on one line) | Source Reduction Tons | Recycling Tons | Composting Tons | Total Diversion Tons | Percent of Total Generation (Total Diversion Tons/Total Generation in Section III) | Survey Method Phone (P) Mail (M) On-site (O) Other ____ |
|-----------------------------------|------------------------|--|-----------------------|-----------------|-----------------|----------------------|--|---|
| Brewery | 1 | Cardboard, white paper, aluminum cans, scrap metal, yard waste, cullet glass, spent grain, plastic strapping, alcohol, plastic stretchwrap | 104956 | 1662 | 165 | 106783.34 | 34.6% | On-Site - Report |
| Concrete Recycler | 2 | Concrete & Steel | | 47014 | | 47014 | 15.2% | P/Fax |
| Grocery Store | 3 | Bakery waste, bone/fat, grease/oil, paper, newspaper, OCC, phone books, produce trim, stretch film, wax OCC | | 226 | 80 | 305.8 | 0.1% | P/Fax |
| Grocery Store | 4 | Bakery waste, bone/fat, grease/oil, paper, newspaper, OCC, pallets, phone books, plastic pallets, produce trim, stretch film, wax OCC | | 226 | 80 | 305.8 | 0.1% | P/Fax |
| Golf Course | 5 | Grasscycling | 1368 | | | 1368 | 0.4% | On-Site - Report |
| Golf Course | 6 | Grasscycling | 1155 | | | 1155.2 | 0.4% | On-Site - Report |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Totals | | | 107479.2 | 49127.46 | 325.48 | 156932.14 | 50.8% | |

Also complete Section V which includes all of the businesses surveyed. Use the type of business and audit reference number in lieu of the specific business name. For each business include the diversion activity and material type and associated tonnage for each diversion activity/material type, and applicable conversion factors and sources. Copies of the audit survey form(s) for each of the top ten businesses **must** be included as an attachment.

| Section V - Non-Residential Generator Audit Diversion Spreadsheet | | | | | | | |
|--|--|---|--|-------------------------|------------------|-------------------|------------|
| Worksheet is unlocked to allow modification (e.g., , adding ten rows and a subtotal row to the table for each generator). If you have any questions, please contact your OLA Representative at (916 341-6199). | | | | | | | |
| Non-Residential Generator Audit Diversion | | | | | | | |
| Non residential Generator Survey/Audit Identification Number | Generator Type (Example - grocery store, retail, manufacturer) | Material Type (Example - cardboard, glass, plastic, etc.) | Specific Conversion Factor and Source or Actual Weight | Source Reduction (Tons) | Recycling (Tons) | Composting (Tons) | Total Tons |
| 1 | Brewery | Spent Grain | Actual weight | 104956 | 0 | 0 | 104956 |
| | | Glass (cullet) | Actual weight | 0 | 630 | 0 | 630 |
| | | Aluminum | Actual weight | 0 | 46 | 0 | 46 |
| | | Cardboard | Actual weight | 0 | 647 | 0 | 647 |
| | | Plastic Strapping | Actual weight | 0 | 19 | 0 | 19 |
| | | Scrap Metal | Actual weight | 0 | 184 | 0 | 184 |
| | | Grasscycling | 21.75 mowable acres at 7.6 tons per acre per year | 0 | 0 | 165 | 165 |
| | | White Paper | Actual weight | 0 | 11 | 0 | 11 |
| | | Plastic stretch wrap | Actual weight | | 5.5 | | 5.5 |
| | | Alcohol | Actual weight | | 120 | | 120 |
| Subtotal - | Subtotal | | | 104956 | 1662.5 | 165 | 106783.5 |
| 2 | Concrete Recycler | Concrete | Actual weight | 0 | 46934 | 0 | 46934 |
| | | Steel | Actual weight | 0 | 80 | 0 | 80 |
| Subtotal - | Subtotal | | | 0 | 47014 | 0 | 47014 |
| 3 | Grocery Store | Bakery Waste | Actual weight | 0 | 0 | 1.63 | 1.63 |
| | | Bone/Fat | Actual weight | 0 | 0 | 14.78 | 14.78 |
| | | Produce Trim | Actual weight | 0 | 0 | 50.26 | 50.26 |
| | | Grease/Oil | Actual weight | 0 | 2.61 | 0 | 2.61 |
| | | Paper | Actual weight | 0 | 0.65 | 0 | 0.65 |
| | | Newspaper | Actual weight | 0 | 0.003 | 0 | 0.003 |
| | | OCC | Actual weight | 0 | 218 | 0 | 218 |
| | | Phone Books | Actual weight | 0 | 0.39 | 0 | 0.39 |
| | | Stretch Film | Actual weight | 0 | 4.23 | 0 | 4.23 |
| | | Wax OCC | Actual weight | 0 | 0 | 13.42 | 13.42 |
| Subtotal - | Subtotal | | | 0 | 225.883 | 80.09 | 305.973 |

| Non residential Generator Survey/Audit Identification Number | Generator Type (Example - grocery store, retail, manufacturer) | Material Type (Example - cardboard, glass, plastic, etc.) | Specific Conversion Factor and Source or Actual Weight | Source Reduction (Tons) | Recycling (Tons) | Composting (Tons) | Total Tons |
|---|---|--|---|-------------------------------|---------------------|----------------------|----------------|
| 4 | Grocery Store | Bakery Waste | Actual weight | 0 | 0 | 1.63 | 1.63 |
| | | Bone/Fat | Actual weight | 0 | 0 | 14.78 | 14.78 |
| | | Produce Trim | Actual weight | 0 | 0 | 50.26 | 50.26 |
| | | Grease/Oil | Actual weight | 0 | 2.61 | 0 | 2.61 |
| | | Paper | Actual weight | 0 | 0.65 | 0 | 0.65 |
| | | Newspaper | Actual weight | 0 | 0.003 | 0 | 0.003 |
| | | OCC | Actual weight | | 218 | 0 | 218 |
| | | Phone Books | Actual weight | 0 | 0.39 | 0 | 0.39 |
| | | Stretch Film | Actual weight | 0 | 4.23 | 0 | 4.23 |
| | | Wax OCC | Actual weight | 0 | 0 | 13.42 | 13.42 |
| Subtotal - | Subtotal | | | 0 | 225.883 | 80.09 | 305.973 |
| 5 | Golf Course | Grasscycling | 180 acres at 7.6 tons per acre per year | 1368 | 0 | | 1368 |
| | Subtotal | | | 1368 | | | 1368 |
| | Golf Course | Grasscycling | 152 acres at 7.6 tons per acre per year | 1155 | | | 1155 |
| Subtotal - | Subtotal | | | 1155 | 0 | 0 | 1155 |
| Grand Total | Total | | | 107,479 | 49,128 | 325 | 156,932 |

Section VI - Restricted Waste

For each restricted waste type (i.e., agricultural waste, inert solids, [e.g. concrete, asphalt, dirt, etc.] scrap metals and white goods [PRC section 41781.2]) and associated program or generator, please provide the following information:

1. If the diversion program started on or after January 1, 1990, complete the following table.

Note: Specific Program Name refers to one specific diversion program for that waste type (e.g., "Diversion conducted by city public waste dept.") Please input the complete program name with business type if appropriate.

| Restricted Waste Type | Audit Reference Number | Specific Program Name | Year Started | Tonnage |
|-----------------------------|------------------------|-----------------------|--------------|---------|
| Inert Solids ▼ | 2 | Concrete Recycler | 1995 | 46934 |
| Scrap Metal ▼ | 2 | Concrete Recycler | 1995 | 80 |
| Scrap Metal ▼ | 1 | Brewery | 1995 | 184 |
| Pull Down for Waste Types ▼ | | | | |
| Pull Down for Waste Types ▼ | | | | |
| Pull Down for Waste Types ▼ | | | | |

2. If the diversion program started before January 1, 1990 - and if documentation on the program and waste type has not been approved by the Board, on a separate sheet marked "Attachment Section VI. 2", provide the documentation that indicates:

- How the diversion was the result of a local action taken by the jurisdiction, which specifically resulted in the diversion (PRC sec. 41781.2 [c] [1]).
- That the amount of that waste type diverted from the jurisdiction in 1990 was less than or equal to the amount of that waste type disposed at a permitted disposal facility by the jurisdiction in any year before 1990. **Note:** this criterion is applicable to the entire jurisdiction, not to individual programs (PRC sec. 41781.2 [c] [2]). Please include documentation.
- The jurisdiction is implementing, and will continue to implement, the diversion programs in its source reduction and recycling element.

Note: If documentation for a waste type and program has already been approved by the Board, you do not have to provide an "Attachment Section VI.2" for that waste type and program.

Instead please provide date of Board approval of previously submitted information.

_____ (Date)

If documentation is not available, go to Number 4.

3. If the diversion program started before January 1, 1990, and the documentation requested in Section VI.2" is available (but not yet approved by the Board), complete the table below for each program claimed:

| Restricted Waste Type | Audit Reference Number | Specific Program Name | New Base Year or Reporting Year Diversion Tonnage |
|-----------------------------|------------------------|-----------------------|---|
| Pull Down for Waste Types ▼ | | | |
| Pull Down for Waste Types ▼ | | | |
| Pull Down for Waste Types ▼ | | | |
| Pull Down for Waste Types ▼ | | | |
| Pull Down for Waste Types ▼ | | | |
| Pull Down for Waste Types ▼ | | | |

4. If the diversion program started before January 1, 1990, and the documentation requested in Sect.VI.2 is not available, please complete the table below for each program claimed. **Note:** Only the difference between the new base year/reporting year and 1990 can be counted in the diversion rate calculation. The 1990 tonnage must be substantiated.

| Restricted Waste Type | Audit Reference Number | Specific Program Name | New Base Year or Reporting Year Tonnage | 1990 Diversion Tonnage | Difference |
|-----------------------------|------------------------|-----------------------|---|------------------------|------------|
| Pull Down for Waste Types ▼ | | | | | |
| Pull Down for Waste Types ▼ | | | | | |
| Pull Down for Waste Types ▼ | | | | | |
| Pull Down for Waste Types ▼ | | | | | |
| Pull Down for Waste Types ▼ | | | | | |
| Pull Down for Waste Types ▼ | | | | | |